C-3-I. Grazing, Grazingland Options Worksheet

1	STATE	Hawaii
2	FIELD OFFICE	Wailuku
3	MLRA	162 and 166
4	COMMON RESOURCE AREA (CRA)	**Grazing Maui**
5	RESOURCE INTERPRETATIONS	*see Section II FOTG for interpretations*
5.1	SOIL	
5.2	WATER	
5.3	AIR	
5.4	PLANT	
5.5	ANIMAL	
5.6	HUMAN	
6	HYDROLOGIC UNIT	2002000
7	SYSTEM TEMPLATE LABEL	**GMA20**
8	SYSTEM NAME	**Grazing Maui, Grazingland**
9	PLANNING PHASE	Non-Benchmark
10	PLANNING LEVEL	RMS
11	NRCS LANDUSE	RANG
12	PLANNED CONS. PRACTICES	*enter code / name of practice*

1. 314 Brush Management
2. 338 Prescribed Burning
3. 342 Critical Area Planting
4. 378 Pond
5. 380 Windbreak/Shelterbelt Establishment
6. 382 Fence
7. 394 Firebreak
8. 512 Pasture and Hay Planting
9. 516 Pipeline
10. 521 A Pond Sealing or Lining, Flexible Membrane
11. 528 A Prescribed Grazing
12. 550 Range Planting
13. 560 Access Road
14. 575 Animal Trails and Walkways
15. 595 Pest Management
16. 614 Watering Facility
17. 636 Water Harvesting Catchment
18. 650 Windbreak/Shelterbelt Renovation

13	SYSTEM NARRATIVE	*describe how the practices work together as a system*

Land is used for livestock grazing on naturalized grasslands. The topography ranges from extremes, flat to very steep. The rainfall has a wide range from 10-90 inches per year. The proposed grazing management system will minimize erosion and improve forage.

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14	RESOURCE CONCERNS	MAGNITUDE/EFFECTS	IMPACTS
	1. Soil / Erosion / Sheet & Rill Erosion	1. Sheet & rill erosion will be reduced to an acceptable soil loss tolerance level of 5 tons/acre/year or less.	1. Productive topsoil will not erode at an accelerated rate. Soil loss is reduced by ___ tons/acre/year.
	2. Soil / Erosion / Streambank Erosion	2. Streams will carry runoff water without eroding.	2. Farmable area is not reduced by sloughing of streambank.
	3. Soil / Condition / Soil Compaction	3. Traffic areas will be avoided or rested.	3. Forage production will increase.
	4. Water / Quality / Suspended Sediment & Turbidity in Surface Water	4. Amount of sediment in runoff water is minimized.	4. Effects from suspended sediment and turbidity to aquatic habitat, recreation waters, and other downstream waterbodies are minimized.
	5. Plant / Condition / Plant Productivity	5. Implementation of a grazing management plan and installation of other appurtenant structures increase forage production.	5. Forage growth and production will increase. Animal weight gain and health will improve.
	6. Plant / Condition / Plant Health & Vigor	6. Noxious weeds will be controlled or managed.	6. Grazing land will be more productive. Carrying capacity may increase.
	7. Animal / Habitat / Domestic Animal Water Requirements	7. Installation of pipeline and troughs will improve supply and distribution of water to meet livestock needs.	7. Improved water system may increase animal distribution and carrying capacity of grazing lands.

CRA	SYSTEM TEMPLATE LABEL	
15	* QUALITY CRITERIA DOCUMENTATION *list resource concerns then indicate yes/no (X)*	
	1. Sheet & Rill Erosion	☒ YES ☐ NO
	2. Streambank Erosion	☒ YES ☐ NO
	3. Soil Compaction	☒ YES ☐ NO
	4. Suspended Sediment & Turbidity in Surface Water	☒ YES ☐ NO
	5. Plant Productivity	☒ YES ☐ NO
	6. Plant Health & Vigor	☒ YES ☐ NO
	7. Domestic Animal Water Requirements	☒ YES ☐ NO

* Provides an indication that the resource quality criteria will be met.